BRUHATH BANGALORE MAHANAGARA PALIKE

Rajarajeshwari Nagar Zone

O/o Executive Engineer(Ele), Rajarajeshwari nagar Zone, BBMP, Bangalore

Schedule-B /Bill of Quantities

Memorandum Showing the Specifications, Quantities and Rates of items to be Executed

Tender Number: BBMP/2020-21/EL/WORK_INDENT46464/CALL-2

Name of the work: Providing electrical maintenance and repairs to park lighting and other installation at JP park ward no 17 of RR nagar zone

Name of the contractor: A N PREMACHANDRABABA (PREMA ELECTRICAL ENTERPRISES)

SNo	Quantity	Item Name	Sanctioned Est Rates			Approved Tender Rates		
			Unit	Estimate Rate	Total Amount	Rate in figure	Rate in words	Total Amount
1	6	Providing services of Clerk/computer operator/Dataentry operator/Tax collector/Electrician and other Skilled Workers.Skilled Electrician.(For 6 Months) Dept of labour No KAE 71 LWA 2015 Dtd:04/08/2016.	Man month	13365	80190.00	13300.00	Rupees Thirteen Thousand Three Hundred Only	79800.00
2	300	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 1.5 sqmm	Mtr	20.5	6150.00	20.00	Rupees Twenty Only	6000.00
2a	200	2.5 sqmm	Mtr	32	6400.00	31.00	Rupees Thirty One Only	6200.00
2b	180	4 sqmm	Mtr	45	8100.00	44.00	Rupees Forty Four Only	7920.00
2c	150	6 sqmm	Mtr	70	10500.00	69.00	Rupees Sixty Nine Only	10350.00
4	8	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 20 Amps SP	Each	1336	10688.00	1330.00	Rupees One Thousand Three Hundred and Thirty Only	10640.00
4a	8	40 Amps SP	Each	713	5704.00	710.00	Rupees Seven Hundred and Ten Only	5680.00

Contractor

Executive Engineer(Ele) RRN

SNo	Quantity	Item Name	Sanctioned Est Rates			Approved Tender Rates		
			Unit	Estimate Rate	Total Amount	Rate in figure	Rate in words	Total Amount
4b	4	50-63Amps TPN	Each	2397	9588.00	2350.00	Rupees Two Thousand Three Hundred and Fifty Only	9400.00
5	6	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 Amps	Each	4200	25200.00	4190.00	Rupees Four Thousand One Hundred and Ninety Only	25140.00
6	6	Supplying and fixing Microprocessor based Electronic timer (without contactor, Din Mounting using necessary bolts, nuts and washers etc.,.) 3-120sec setting.	Each	1925	11550.00	1920.00	Rupees One Thousand Nine Hundred and Twenty Only	11520.00
7	200	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtr	130	26000.00	129.00	Rupees One Hundred and Twenty Nine Only	25800.00
7a	100	3.5 core 25 sqmm	Mtr	180	18000.00	178.00	Rupees One Hundred and Seventy Eight Only	17800.00
7b	100	3.5 core 35 sqmm	Mtr	225	22500.00	222.00	Rupees Two Hundred and Twenty Two Only	22200.00
8	250	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. 6 sqmm to 16 sqmm	Mtr	11.88	2970.00	11.00	Rupees Eleven Only	2750.00
8a	200	25 sqmm to 75 sqmm	Mtr	15.5	3100.00	15.00	Rupees Fifteen Only	3000.00
9	300	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) In soil (ordinary)	Mtr	76	22800.00	75.00	Rupees Seventy Five Only	22500.00
10	35	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 16 sqmm	Each	12.44	435.40	12.00	Rupees Twelve Only	420.00
10a	20	25 sqmm Long Barrel	Each	20	400.00	19.00	Rupees Nineteen Only	380.00

SNo	Quantity	Item Name	Sanctioned Est Rates			Approved Tender Rates		
			Unit	Estimate Rate	Total Amount	Rate in figure	Rate in words	Total Amount
10b	20	35 sqmm Long Barrel	Each	32	640.00	31.00	Rupees Thirty One Only	620.00
11	6	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 32 Amps	Each	174	1044.00	171.00	Rupees One Hundred and Seventy One Only	1026.00
11a	6	63 Amps	Each	227	1362.00	220.00	Rupees Two Hundred and Twenty Only	1320.00
11b	5	100 Amps	Each	349	1745.00	340.00	Rupees Three Hundred and Forty Only	1700.00
12	10	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets. 200mmx200mmx98mm	Each	1917	19170.00	1900.00	Rupees One Thousand Nine Hundred Only	19000.00

Contractor

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SNo	Quantity	Item Name	Sanctioned Est Rates			Approved Tender Rates		
			Unit	Estimate Rate	Total Amount	Rate in figure	Rate in words	Total Amount
13	24	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source. LED Streetlight 25watts	No	1840	44160.00	1800.00	Rupees One Thousand Eight Hundred Only	43200.00
14	100	Supplying & fixing LED Drivers suitable for 5700K LED fitting Outdoor Fixtures. Operating voltage range from 180V to 265V, 50Hz AC power Supply a) 25W 5700K suitable for outdoor LED fitting.	Each	1198	119800.00	1165.00	Rupees One Thousand One Hundred and Sixty Five Only	116500.00
14a	18	40W 5700K suitable for outdoor LED fitting.	Each	1700	30600.00	1690.00	Rupees One Thousand Six Hundred and Ninety Only	30420.00
15	8	Supplying and fixing of T8 36/40W Fluorescent Tube with 36W power consumption with initial lumen of 2750 (3000 deg K / 4000 deg K) with rated avg life of greater than 10000 hrs. Operating voltage range from 180V to 265V, 50Hz AC power Supply	No	53	424.00	52.00	Rupees Fifty Two Only	416.00

Contractor

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SNo	Quantity	Item Name	Sanctioned Est Rates			Approved Tender Rates		
			Unit	Estimate Rate	Total Amount	Rate in figure	Rate in words	Total Amount
15a	8	Supplying and fixing of Electronic Ballast suitable for T8 Lamp with housing made of Pre-coated steel/PC, Operating voltage range from 180V to 265V, 50Hz AC power Supply flicker free warm start with over voltage protection, Inrush current protection, De-activated lamp protection & End of Lamp life protection with PF> 0.95 & TC(deg C) > 65 degC. Operating voltage range from 180V to 265V, 50Hz AC power Supply. 1x36/40 watts	Each	375	3000.00	372.00	Rupees Three Hundred and Seventy Two Only	2976.00
16	8	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6 Amps one way switch	Each	70	560.00	69.00	Rupees Sixty Nine Only	552.00
16a	10	32Amps DP switch	Each	182	1820.00	180.00	Rupees One Hundred and Eighty Only	1800.00
17	4	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100 Amps 25kA	Each	4530	18120.00	4500.00	Rupees Four Thousand Five Hundred Only	18000.00
		Total Amount			**512720.4**			**505030.00**
		Tender Premium						**-1.50**
		GST Shall be Added @12% on all above items of work						

Certificate:-

a) I agree to Execute this work at the Rates mentioned above in the Schedule-B/BOQ.
b) I am ready to carry out the work as per the directions of Engineer-in-Charge of Work.
c) I am ready to carry out the work as per the tender terms and conditions.

Seal & Signature of Contractor

Executive Engineer(Ele),
Bruhat Bangalore Mahanagara Palike,
RR Nagar Zone

Contractor

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